

Applicants: Aidan J. Lavery et al.
Appl. No.: 10/785,290
Filed: February 23, 2004
page 2 of 8

Amendments to the Claims:

Please cancel Claims 1 and 13 without prejudice or disclaimer, amend Claims 2-4 and 7-12, and add new Claim 15 as set forth below.

1. (Canceled)
2. (Currently amended) The recording material according to claim 14 or 15, 4, wherein the image recording layer contains at least one dye-fixing layer and at least one ink absorbing layer, wherein the dye-fixing layer is between the ink absorbing layer and the protective layer.
3. (Currently amended) The recording material according to claim 14 or 15, 4 wherein the transition metal is selected from the group consisting of copper, cobalt, nickel, and manganese.
4. (Currently amended) The recording material according to claim 14 or 15, 4 wherein the anion is an anion of a hydroxycarboxylic acid.
5. (Original) The recording material according to claim 4 wherein the hydroxycarboxylic acid is selected from gluconic acid, glucaric acid, succinic acid, hydroxysuccinic acid (malic acid), 2,3-dihydroxysuccinic acid (tartaric acid) and their mixtures.
6. (Original) The recording material according to claim 4 wherein the hydroxycarboxylic acid is selected from the group of compounds containing an

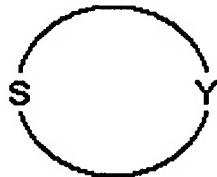
Applicants: Aidan J. Lavery et al.
Appl. No.: 10/785,290
Filed: February 23, 2004
page 3 of 8

aromatic ring, especially hydroxybenzoic acids such as 2-hydroxybenzoic acid (salicylic acid), 3-hydroxybenzoic acid, 4-hydroxybenzoic acid, 2,4,5-trihydroxybenzoic acid, 4- or 5-sulphosalicylic acid, 4- or 5-hydroxythiosalicylic acid.

7. (Currently amended) The recording material according to claim 14 or 15, ‡ wherein the anion is selected from ethylene diamine tetracetic acid (EDTA), ethylene diamine triacetic acid, hydroxyethyl ethylene diamine tetracetic acid (HEEDTA), nitrolo triacetic acid or their salts.
8. (Currently amended) The recording material according to claim 14 or 15, ‡ wherein the metal-compound-containing layer contains a hydroxybenzoic sulphonate acid as another component.
9. (Currently amended) The recording material according to claim 14 or 15, ‡ wherein the complex-forming organic sulphur compound is a compound having the general formula $R_2C=S$, whereby R equally or independently of one another is hydrogen, an NH_2 group, an NHR^1 group, an NR^1_2 group, a methyl, ethyl, propyl, isopropyl group, a substituted or non-substituted aryl with 5 to 12 carbon atoms or alkoxy with 1 to 3 carbon atoms, or both groups R form an aromatic or non-aromatic ring with 5 or 6 carbon atoms which can contain nitrogen and/or sulphur as a heteroatom, wherein R^1 equally or independently of one another has the same meaning as R.

Applicants: Aidan J. Lavery et al.
Appl. No.: 10/785,290
Filed: February 23, 2004
page 4 of 8

10. (Currently amended) The recording material according to claim 14 or 15, ‡ wherein the complex-forming organic sulphur-containing compound is a compound having the general formula



wherein Y denotes the atoms required to form a substituted or non-substituted aromatic or non-aromatic ring.

11. (Currently amended) The recording material according to claims 14 or 15, ~~1 to 8~~, wherein the complex-forming organic sulphur-containing compound is a compound having the general formula R_2S , wherein R equally or independently of one another denotes hydrogen, alkyl al. ~~kyl~~ with 1 to 6 carbon atoms, substituted or non-substituted aryl with 5 to 12 carbon atoms, alkoxy al. ~~kox~~ with 1 to 3 carbon atoms, an NH_2 group, an NHR^1 group, an NR^1_2 group, OR^1 , wherein R^1 has the same meaning as R.
12. (Currently amended) The recording material according to claim 14 or 15, ‡ wherein the metal compound/sulphur-containing compound weight ratio is 1:1 to 1:2.
13. (Canceled)

Applicants: Aidan J. Lavery et al.

Appl. No.: 10/785,290

Filed: February 23, 2004

page 5 of 8

14. (Previously presented) An ink jet recording material for recording an image and for providing ozone resistance, comprising:

a support;

at least one image recording layer for recording the image; and

an ozone protective layer deposited on the upper side of the image recording layer, wherein the ozone protective layer contains an ozone protective amount of (i) an organic sulphur-containing compound which forms complexes with metal ions, (ii) a boric acid compound, and (iii) an organic compound having the formula MeX or MeX_2 where Me is a transition metal from group VIb, VIIb, VIIIb, Ib and IIb in the Periodic Table and X is an anion of a carboxylic acid having 4 to 12 carbon atoms.

15. (New) An ink jet recording material for recording an image and for providing ozone resistance, comprising:

a support;

at least one image recording layer for recording the image, comprising an organic compound having the formula MeX or MeX_2 where Me is a transition metal from group VIb, VIIb, VIIIb, Ib and IIb in the Periodic Table and X is an anion of a carboxylic acid having 4 to 12 carbon atoms; and

an ozone protective layer deposited on the upper side of the image recording layer, wherein the ozone protective layer contains an ozone protective amount of (i) an organic sulphur-containing compound which forms complexes with metal ions and (ii) a boric acid compound.